



FORM PTO-1449			ATTY. DOCKET NO. TAN-2-1495.01.US	SERIAL NO. 09/778,474
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			APPLICANT Nelson et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			FILING DATE February 7, 2001	GROUP 2419
(Use several sheets if necessary)				

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3,742,498	08/1973	Dunn			
/ST/	*	4,107,469	08/1978	Jenkins			
		4,577,316	03/1986	Schiff			
		4,599,733	07/1986	Gutleber			
/ST/	*	4,625,308	11/1986	Kim et al.			
		4,642,806	02/1987	Hewitt et al.			
		4,675,863	06/1987	Paneth et al.			
		4,817,089	03/1989	Paneth et al.			
/ST/	*	4,841,526	06/1989	Wilson et al.			
		4,862,453	08/1989	West et al.			
		4,866,709	09/1989	West et al.			
/ST/	*	4,912,705	03/1990	Paneth et al.			
/ST/	*	4,949,395	08/1990	Rydbeck			
/ST/	*	5,022,024	06/1991	Paneth et al.			
/ST/	*	5,027,348	06/1991	Curry			
/ST/	*	5,027,400	06/1991	Baji et al.			
		5,056,109	10/1991	Gilhousen et al.			
/ST/	*	5,068,916	11/1991	Harrison et al.			
/ST/	*	5,101,416	03/1992	Fenton et al.			
		5,103,459	04/1992	Gilhousen et al.			
/ST/	*	5,114,375	05/1992	Wellhausen et al.			
/ST/	*	5,115,309	05/1992	Hang			
		5,130,983	07/1992	Heffner III			
/ST/	*	5,226,044	07/1993	Gupta et al.			
		5,257,283	10/1993	Gilhousen et al.			

EXAMINER /Saba Tsegaye/	DATE CONSIDERED (11/30/2010)
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,267,262	11/1992	Wheatly III			
/ST/ *	5,268,900	12/1993	Hluchyj et al.			
/ST/ *	5,282,222	01/1994	Fattouche et al.			
	5,295,304	06/1994	Bruckert			
/ST/ *	5,325,419	06/1994	Connolly et al.			
	5,339,316	08/1994	Diepstraten			
/ST/ *	5,353,332	10/1994	Raith et al.			
/ST/ *	5,355,374	11/1994	Hester et al.			
/ST/ *	5,373,502	12/1994	Turban			
/ST/ *	5,375,124	12/1994	D'Ambrogio, et al.			
/ST/ *	5,388,102	02/1995	Griffith et al.			
/ST/ *	5,394,473	02/1995	Davidson			
/ST/ *	5,412,429	05/1995	Glover			
/ST/ *	5,414,728	05/1995	Zehavi			
	5,422,887	06/1995	Diepstraten et al.			
/ST/ *	5,442,625	08/1995	Gitlin et al.			
	5,446,727	08/1995	Bruckert et al.			
/ST/ *	5,463,629	10/1995	Ko			
/ST/ *	5,471,463	11/1995	Hulbert			
/ST/ *	5,481,533	01/1996	Honig et al.			
	5,490,136	02/1996	Serano et al.			
/ST/ *	5,511,068	04/1996	Sato			
	5,527,307	07/1996	Abrameen			
/ST/ *	5,559,789	09/1996	Nakano et al.			
/ST/ *	5,581,575	12/1996	Zehavi et al.			
/ST/ *	5,585,850	12/1996	Schwaller			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,586,119	12/1996	Soribano et al.			
/ST/	*	5,590,409	12/1996	Sawahashi et al.			
/ST/	*	5,592,470	01/1997	Rudrapatna et al.			
/ST/	*	5,592,471	01/1997	Briskman			
/ST/	*	5,598,416	01/1997	Yamada et al.			
		5,604,730	12/1997	Tiedemann Jr.			
/ST/	*	5,606,580	02/1997	Mourot et al. <sup>1</sup>			
/ST/	*	5,617,423	04/1997	Li et al.			
/ST/	*	5,619,492	04/1997	Press et al.			
/ST/	*	5,619,524	04/1997	Ling et al.			
/ST/	*	5,642,348	06/1997	Barzegar et al.			
/ST/	*	5,642,377	06/1997	Chung et al.			
		5,652,764	07/1997	Kanzaki et al.			
/ST/	*	5,655,001	08/1997	Cline et al.			
		5,657,326	06/1997	Burns et al.			
		5,657,358	08/1997	Panech et al.			
/ST/	*	5,663,958	09/1997	Ward			
/ST/	*	5,663,990	09/1997	Bolgiano et al.			
/ST/	*	5,673,259	09/1997	Quick, Jr.			
		5,684,704	11/1997	Lopez et al.			
/ST/	*	5,687,194	11/1997	Paneth et al.			
		5,699,502	11/1997	Scott			
/ST/	*	5,697,059	12/1997	Carney			
/ST/	*	5,699,364	12/1997	Sato et al.			
/ST/	*	5,708,656	01/1998	Noneman et al.			

1 Corresponds to EP 0635949

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,712,869	01/1998	Lee et al.			
	5,726,981	03/1998	Yilirvo et al.			
/ST/ *	5,734,646	03/1998	I et al.			
/ST/ *	5,742,592	04/1998	Scholefield et al.			
	5,745,484	04/1998	Scott			
	5,758,288	05/1998	Dunn et al.			
/ST/ *	5,781,542	07/1998	Tanaka et al.			
/ST/ *	5,781,543	07/1998	Ault et al.			
/ST/ *	5,784,406	07/1998	DeJaco et al.			
/ST/ *	5,790,549	08/1998	Dent			
/ST/ *	5,790,551	08/1998	Chan			
/ST/ *	5,793,744	08/1998	Kanerva et al.			
	5,802,046	09/1998	Scott			
/ST/ *	5,802,465	09/1998	Hamalainen et al.			
	5,805,994	09/1998	Perrault et al.			
/ST/ *	5,812,131	09/1998	Bertram			
/ST/ *	5,825,807	10/1998	Kumar			
/ST/ *	5,828,659	10/1998	Teder et al.			
	5,828,662	10/1998	Jalali et al.			
/ST/ *	5,841,768	11/1998	Ozluturk et al.			
/ST/ *	5,844,894	12/1998	Dent			
/ST/ *	5,845,211	12/1998	Roach			
/ST/ *	5,854,786	12/1998	Henderson et al.			
/ST/ *	5,856,971	01/1999	Gitlin et al.			
/ST/ *	5,859,840	01/1999	Tiedemann, Jr. et al.			
/ST/ *	5,859,879	01/1999	Bolgiano et al.			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,867,527	02/1999	Ziv et al.			
/ST/	*	5,872,786	02/1999	Shobatake			
/ST/	*	5,881,060	03/1999	Morrow et al.			
/ST/	*	5,881,368	03/1999	Grob et al.			
/ST/	*	5,884,196	03/1999	Lekven et al.			
		5,892,774	04/1999	Zehavi et al.			
		5,893,035	04/1999	Chen			
/ST/	*	5,894,473	04/1999	Dent			
/ST/	*	5,896,376	04/1999	Alperovich et al.			
/ST/	*	5,898,929	04/1999	Haartsen			
/ST/	*	5,910,944	06/1999	Callicotte et al.			
/ST/	*	5,910,945	06/1999	Garrison et al.			
/ST/	*	5,914,950	06/1999	Tiedemann, Jr. et al.			
/ST/	*	5,923,650	07/1999	Chen et al.			
		5,926,500	07/1999	Odenwalder			
/ST/	*	5,930,230	07/1999	Odenwalder et al.			
		5,933,701	08/1999	Willenegger et al.			
		5,949,814	09/1999	Odenwalder et al.			
/ST/	*	5,950,131	09/1999	Vilmur			
/ST/	*	5,956,332	09/1999	Rasanen et al.			
		5,959,980	09/1999	Scott			
		5,960,361	09/1999	Chen			
/ST/	*	5,966,374	10/1999	Rasanen			
		5,982,760	11/1999	Chen			
/ST/	*	5,991,279	11/1999	Haugli et al.			
		5,991,284	11/1999	Willenegger et al.			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/ST/	*	6,001,800	12/1999	Mehta et al.			
/ST/	*	6,002,690	12/1999	Takayama et al.			
/ST/	*	6,005,852	12/1999	Kokko et al.			
/ST/	*	6,005,855	12/1999	Zehavi et al.			
/ST/	*	6,009,106	12/1999	Rustad et al.			
/ST/	*	6,011,800	01/2000	Nadgauda et al.			
/ST/	*	6,016,312	01/2000	Storn et al.			
/ST/	*	6,028,868	02/2000	Yeung et al.			
/ST/	*	6,031,827	02/2000	Rikkinen et al.			
/ST/	*	6,049,535	04/2000	Ozluturk			
		6,049,538	04/2000	Scott			
/ST/	*	6,052,385	04/2000	Kanerva et al.			
		6,058,338	05/2000	Agashe et al.			
/ST/	*	6,064,678	05/2000	Sindhushayana et al.			
/ST/	*	6,069,880	05/1999	Owen et al.			
/ST/	*	6,069,883	05/2000	Ejzak et al.			
		6,075,974	06/2000	Saints et al.			
/ST/	*	6,078,572	06/2000	Tanno et al.			
/ST/	*	6,081,536	06/2000	Gorsuch et al.			
/ST/	*	6,088,335	07/2000	I et al.			
		6,094,421	07/2000	Scott			
		6,094,576	07/2000	Hakkinen et al.			
/ST/	*	6,097,733	08/2000	Basu et al.			
		6,097,972	08/2000	Saints et al.			
/ST/	*	6,101,176	08/2000	Honkasalo et al.			
		6,101,179	08/2000	Soliman			

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/ST/	*	6,104,708	08/2000	Bergamo			
/ST/	*	6,111,863	08/2000	Rostoker et al.			
/ST/	*	6,112,092	08/2000	Benveniste			
		6,118,767	09/2000	Shen et al.			
/ST/	*	6,134,233	10/2000	Kay			
/ST/	*	6,151,332	11/2000	Gorsuch et al.			
		6,157,616	12/2000	Whitehead			
/ST/	*	6,157,619	12/2000	Ozluturk et al.			
/ST/	*	6,161,013	12/2000	Anderson et al.			
/ST/	*	6,163,707	12/2000	Miller			
/ST/	*	6,169,731	01/2001	Stewart et al.			
		6,188,678	02/2001	Prescott			
		6,188,903	02/2001	Gardner et al.			
/ST/	*	6,196,362	02/2001	Darcie et al.			
/ST/	*	6,198,723	03/2001	Parruck et al.			
		6,201,966	03/2001	Rinne et al.			
		6,208,871	03/2001	Hall et al.			
/ST/	*	6,212,175	04/2001	Harsch			
		6,212,220	04/2001	Proctor, Jr.			
/ST/	*	6,214,342	04/2001	Rege			
/ST/	*	6,215,798	04/2001	Carneheim et al.			
/ST/	*	6,222,828	04/2001	Ohlson et al.			
/ST/	*	6,222,832	04/2001	Proctor			
		6,222,873	04/2001	Bang et al.			
/ST/	*	6,226,527	05/2001	Dalsgaard et al.			
/ST/	*	6,233,439	05/2001	Jalali			

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/ST/	*	6,236,647	05/2001	Amalfitano			
/ST/	*	6,243,372	06/2001	Petch et al.			
		6,246,673	06/2001	Tiedemann Jr. et al.			
		6,246,715	06/2001	Park et al.			
/ST/	*	6,259,683	07/2001	Sekine et al.			
/ST/	*	6,262,980	07/2001	Leung et al.			
		6,263,013	07/2001	Hendrickson			
		6,269,075	07/2001	Tran			
		6,269,088	07/2001	Masui et al.			
/ST/	*	6,272,168	08/2001	Lomp et al.			
		6,272,354	08/2001	Saaroi			
		6,275,478	08/2001	Tiedemann Jr.			
/ST/	*	6,285,665	09/2001	Chuah			
		6,301,201	10/2001	Rouphaer et al.			
/ST/	*	6,307,840	10/2001	Wheatley III et al.			
/ST/	*	6,310,859	10/2001	Morita et al.			
/ST/	*	6,320,851	11/2001	Kim et al.			
		6,332,008	12/2001	Giallorenzi et al.			
/ST/	*	6,353,412	03/2002	Soliman			
		6,353,645	03/2002	Solve et al.			
/ST/	*	6,356,555	03/2002	Rakib			
/ST/	*	6,366,570	04/2002	Bhagalia			
/ST/	*	6,366,786	04/2002	Norman et al.			
/ST/	*	6,370,117	04/2002	Koraitim et al.			
/ST/	*	6,373,830	04/2002	Ozluturk			
/ST/	*	6,373,834	04/2002	Lundh et al.			

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/ST/	*	6,377,548	04/2002	Chuah			
/ST/	*	6,377,809	04/2002	Rezaifar et al.			
		6,388,997	05/2002	Scott			
/ST/	*	6,388,999	05/2002	Gorsuch et al.			
/ST/	*	6,389,000	05/2002	Jou			
/ST/	*	6,396,804	05/2002	Odenwalder			
		6,396,823	05/2002	Park et al.			
/ST/	*	6,418,148	07/2002	Kumar et al.			
/ST/	*	6,426,960	07/2002	Antonio			
		6,452,913	09/2002	Proctor, Jr.			
/ST/	*	6,456,608	09/2002	Lomp			
		6,466,800	10/2002	Sydon et al.			
/ST/	*	6,469,991	10/2002	Chuah			
/ST/	*	6,473,623	10/2002	Benveniste			
		6,483,816	11/2002	Teunchare et al.			
/ST/	*	6,498,785	12/2002	Derryberry et al.			
/ST/	*	6,498,790	12/2002	Shaheen et al.			
		6,501,787	12/2002	Odenwalder et al.			
/ST/	*	6,504,830	01/2003	Östberg et al.			
		6,512,751	01/2003	Struhsaker et al.			
/ST/	*	6,519,452	02/2003	Agostino et al.			
/ST/	*	6,519,651	02/2003	Dillon			
		6,522,639	02/2003	Kitade et al.			
/ST/	*	6,526,039	02/2003	Dahlman et al.			
/ST/	*	6,526,064	02/2003	Bousquet <sup>2</sup>			

2 Corresponds to FR 2761557

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/ST/	*	6,526,281	02/2003	Gorsuch et al.			
		6,532,226	03/2003	Lehtinen et al.			
/ST/	*	6,532,365	03/2003	Anderson et al.			
/ST/	*	6,542,481	04/2003	Foore et al.			
/ST/	*	6,545,986	04/2003	Stellakis			
		6,545,994	04/2003	Nelson Jr. et al.			
		6,567,391	05/2003	Moon			
/ST/	*	6,567,416	05/2003	Chuah			
		6,570,865	05/2003	Masui et al.			
/ST/	*	6,571,296	05/2003	Dillon			
		6,574,211	06/2003	Padovan et al.			
/ST/	*	6,587,446	07/2003	Sarkar et al.			
/ST/	*	6,597,913	07/2003	Natarajan			
/ST/	*	6,633,554	10/2003	Dalal			
		6,647,000	11/2003	Persson et al.			
/ST/	*	6,687,509	02/2004	Schmutz et al.			
		6,717,916	04/2004	Ahn et al.			
		6,724,740	04/2004	Choi et al.			
		6,735,188	05/2004	Becker et al.			
/ST/	*	6,745,484	04/1998	Scott			
/ST/	*	6,768,727	07/2004	Sourour et al.			
/ST/	*	6,775,558	08/2004	Ranta et al.			
/ST/	*	6,795,416	09/2004	Han et al.			
		6,804,219	10/2004	Koo et al.			
		6,807,221	10/2004	Kim et al.			
/ST/	*	6,826,169	11/2004	Nagatani et al.			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/ST/	*	6,831,910	12/2004	Moon et al.			
		6,934,319	08/2005	Subramanian			
		6,954,444	10/2005	Ji et al.			
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		7,079,523	07/2006	Nelson Jr. et al.			
		2001/0030990	10/2001	Rouphael et al.			
		2001/0033558	10/2001	Matsuki			
		2001/0036200	11/2001	Nelson et al.			
/ST/	*	2001/0038674	11/2001	Trans			
/ST/	*	2002/0012332	05/2002	Tiedmann et al.			
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/ST/	*	2003/0060224	03/2003	Nelson et al.			
/ST/	*	2003/0123401	07/2003	Dean			
/ST/	*	2004/0009785	01/2004	Nelson et al.			
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/ST/	*	2004/0160910	08/2004	Gorsuch et al.			
/ST/	*	2004/0180696	09/2004	Foore et al.			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
/ST/	*	0 443 061	08/1991	EP				
/ST/	*	0 526 106	02/1993	EP				
/ST/	*	0 682 423	11/1995	EP				
/ST/	*	0 682 426	11/1995	EP				
/ST/	*	0 719 062	06/1996	EP				

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		11/30/2010)

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		APPLICANT Nelson et al.	
		FILING DATE February 7, 2001	GROUP 2419

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
/ST/	*	0 720 309	12/1995	EP				
		0 773 636	05/1997	EP				
		0 910 176	04/1999	EP				
		1 018 809	12/2000	EP				
		2 326 564	12/1998	GB				
/ST/	*	07-067164	03/1995	JP				X**
/ST/	*	07-264098	10/1995	JP				
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/ST/	*	95/08900	03/1995	WO				
/ST/	*	96/08934	03/1996	WO				
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/ST/	*	97/23073	06/1997	WO				
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/ST/	*	Attachment 2, <i>High Speed Data RLP</i> Lucent Technologies, Version 0.1, January 16, 1997.
/ST/	*	Azad et al., Multirate Spread Spectrum Direct Sequence CDMA Techniques, 1994, The Institute of Electrical Engineers.
/ST/	*	Bell Labs Technical Journal, Lucent Technologies, Volume 2, Number 3, Summer 1997.
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/ST/	*	Chih-Lin I et al., Performance of Multi-Code CDMA Wireless Personal Communications Networks, July 25, 1995.
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/ST/	*	Chung, Packet Synchronization and Identification for Incremental Redundancy Transmission in FH-CDMA Systems, 1992, IEEE, Pages 292-295.
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/ST/	*	Draft Text for "95C" Physical Layer (Revision 4), Part 1, Document #531-981-20814-95C, Part 1 on 3GPP2 website ( <a href="ftp://ftp.3gpp2.org/tsgc/working/1998/1298_Maui/WG3-TG1/531-98120814-95c,%20part%201.pdf">ftp://ftp.3gpp2.org/tsgc/working/1998/1298_Maui/WG3-TG1/531-98120814-95c,%20part%201.pdf</a> ).
/ST/	*	Draft Text for "95C" Physical Layer (Revision 4), Part 2, Document #531-981-20814-95C, part 2 on 3GPP2 website ( <a href="ftp://ftp.3gpp2.org/tsgc/working/1998/1298_Maui/WG3-TG1/531-98120814-95c,%20part%202.pdf">ftp://ftp.3gpp2.org/tsgc/working/1998/1298_Maui/WG3-TG1/531-98120814-95c,%20part%202.pdf</a> , 1998).
/ST/	*	Ejzak et al., Lucent Technologies Air Interface Proposal for CDMA High Speed Data Service, Revision 0.1, May 5, 1997.
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/ST/	*	Hall et al., Design and Analysis of Turbo Codes on Rayleigh Fading Channels, IEEE Journal on Selected Areas in Communications, Vol. 16, No. 2, February 1998, Pages 160-174.
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/ST/	*	High Data Rate (HDR) Solution, Qualcomm, December 1998.
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/ST/	*	Honkasalo, Harri. <i>High Speed Data Air Interface</i> . 1996.
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/ST/	*	Kaiser et al., Multi-Carrier CDMA with Iterative Decoding and Soft-Interference Cancellation, Proceedings of Globecom 1997, Vol. 1, Pages 523-529.
/ST/	*	Knisely, Douglas, N. Telecommunications Industry Association Subcommittee TR-45.5 - <i>Wideband Spread Spectrum Digital Technologies Standards</i> . Banff, Alberta. February 24, 1997 (TR45.5/97.02.24)21.
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/ST/	*	Knisely, Lucent Technologies Air Interface Proposal for CDMA High Speed Data Service, January 16, 1997.
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/ST/	*	Lucent Technologies Presentation First Slide Titled, Why Support Symmetric HSD (Phase 1C), February 21, 1997.	
/ST/	*	Melanchuk et al. <i>CDPD and Emerging Digital Cellular Systems</i> , Digest of Papers of COMPCN, Computer Society Conference 1996, Santa Clara, CA, no. CONF. 41, February 25, 1996, pp. 2-8, XP000628458.	
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/ST/	*	<i>MSC-BS Interface (A-Interface) for Public 800 MHz</i> . TIA/EIA/IS-634-A. TIA/EIA Interim Standard (Revision of TIA/EIA/IS-634) July 1998.	
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